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**Photoaffinity labeling demonstrates physical contact between vasoactive intestinal peptide and the N-terminal ectodomain of the human VPAC1 receptor.**  
J Biol Chem. 2003 Sep 19;278(38):36531-6. Epub 2003 Jun 13.  
PMID: 12807902 [PubMed - in process]
- ☐ 2: [Summers MA, O'Dorisio MS, Cox MO, Lara-Marquez M, Goetzl EJ.](#) [Related Articles, Links](#)

**A lymphocyte-generated fragment of vasoactive intestinal peptide with VPAC1 agonist activity and VPAC2 antagonist effects.**  
J Pharmacol Exp Ther. 2003 Aug;306(2):638-45. Epub 2003 May 15.  
PMID: 12750439 [PubMed - indexed for MEDLINE]
- ☐ 3: [Bangale Y, Cavill D, Gordon T, Planque S, Taguchi H, Bhatia G, Nishiyama Y, Arnett E, Paul S.](#) [Related Articles, Links](#)

**Vasoactive intestinal peptide binding autoantibodies in autoimmune humans and mice.**  
Peptides. 2002 Dec;23(12):2251-7.  
PMID: 12535706 [PubMed - indexed for MEDLINE]
- ☐ 4: [Markos F, Hennessy BA, Fitzpatrick M, O'Sullivan J, Snow HM.](#) [Related Articles, Links](#)


**An evaluation of the efficacy of vasoactive intestinal polypeptide antagonists in vivo in the anaesthetized dog.**  
Pharmacology. 2002 Dec;66(4):206-10.  
PMID: 12393943 [PubMed - indexed for MEDLINE]
- ☐ 5: [Degerman A, Chun D, Nguyen TB, Bravo DT, Alanis J, Rokaeus A, Waschek JA.](#) [Related Articles, Links](#)

**Local action of estrogen and thyroid hormone on vasoactive intestinal peptide (VIP) and galanin gene expression in the rat anterior pituitary.**  
Neuropeptides. 2002 Feb;36(1):50-7.  
PMID: 12147214 [PubMed - indexed for MEDLINE]
- ☐ 6: [Onoue S, Ohshima K, Endo K, Yajima T, Kashimoto K.](#) [Related Articles, Links](#)


**PACAP protects neuronal PC12 cells from the cytotoxicity of human prion protein fragment 106-126.**  
FEBS Lett. 2002 Jul 3;522(1-3):65-70.  
PMID: 12095620 [PubMed - indexed for MEDLINE]
- ☐ 7: [Langer I, Vertongen P, Perret J, Cnudde J, Gregoire F, De Neef P, Robberecht P, Waelbroeck M.](#) [Related Articles, Links](#)

**VPAC(1) receptors have different agonist efficacy profiles on membrane and intact cells.**  
Cell Signal. 2002 Aug;14(8):689-94.  
PMID: 12020769 [PubMed - indexed for MEDLINE]
- ☐ 8: [Gonzalez-Muniz R, Martin-Martinez M, Granata C, de Oliveira E.](#) [Related Articles, Links](#)


Santiveri CM, Gonzalez C, Frechilla D, Herranz R, Garcia-Lopez MT, Del Rio J, Angeles Jimenez M, Andreu D

-  **Conformationally restricted PACAP27 analogues incorporating type II/II' IBTM beta-turn mimetics. Synthesis, NMR structure determination, and binding affinity.**


Bioorg Med Chem. 2001 Dec;9(12):3173-83.  
PMID: 11711293 [PubMed - indexed for MEDLINE]

 **9:** Morris JL, Jobling P, Gibbins JL


Related Articles, Links

-  **Differential inhibition by botulinum neurotoxin A of cotransmitters released from autonomic vasodilator neurons.**


Am J Physiol Heart Circ Physiol. 2001 Nov;281(5):H2124-32.  
PMID: 11668074 [PubMed - indexed for MEDLINE]

 **10:** Liu D, Krajniak K, Chun D, Sena M, Casillas R, Lelievre V, Nguyen T, Bravo D, Colburn S, Waschek JA


Related Articles, Links

-  **VIP gene transcription is regulated by far upstream enhancer and repressor elements.**


Biochem Biophys Res Commun. 2001 Jun 1;284(1):211-8.  
PMID: 11374892 [PubMed - indexed for MEDLINE]

 **11:** MacKenzie CJ, Lutz EM, Johnson MS, Robertson DN, Holland PJ, Mitchell R


Related Articles, Links

-  **Mechanisms of phospholipase C activation by the vasoactive intestinal polypeptide/pituitary adenylate cyclase-activating polypeptide type 2 receptor.**


Endocrinology. 2001 Mar;142(3):1209-17.  
PMID: 11181537 [PubMed - indexed for MEDLINE]

 **12:** Tornoe K, Hannibal J, Jensen TB, Georg B, Rickelt LF, Andreassen MB, Fahrenkrug J, Holst JJ


Related Articles, Links

-  **PACAP-(1-38) as neurotransmitter in the porcine adrenal glands.**


Am J Physiol Endocrinol Metab. 2000 Dec;279(6):E1413-25.  
PMID: 11093931 [PubMed - indexed for MEDLINE]

 **13:** Rekasi Z, Czompoly T, Schally AV, Halmos G


Related Articles, Links

-  **Isolation and sequencing of cDNAs for splice variants of growth hormone-releasing hormone receptors from human cancers.**


Proc Natl Acad Sci U S A. 2000 Sep 12;97(19):10561-6.  
PMID: 10962031 [PubMed - indexed for MEDLINE]

 **14:** Gozes I, Brenneman DE


Related Articles, Links

-  **A new concept in the pharmacology of neuroprotection.**


J Mol Neurosci. 2000 Feb-Apr;14(1-2):61-8. Review.  
PMID: 10854037 [PubMed - indexed for MEDLINE]

 **15:** Luo X, Zeng W, Xu X, Popov S, Davignon J, Wilkie TM, Mumby SM, Muallem S


Related Articles, Links

-  **Alternate coupling of receptors to Gs and Gi in pancreatic and submandibular gland cells.**



















J Biol Chem. 1999 Jun 18;274(25):17684-90.  
PMID: 10364208 [PubMed - indexed for MEDLINE]



















 **16:** Olianas MC, Onali P



















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











-  **Mediation by G protein betagamma subunits of the opioid stimulation of adenylyl cyclase activity in rat olfactory bulb.**


Biochem Pharmacol. 1999 Mar 15;57(6):649-52.  
PMID: 10037449 [PubMed - indexed for MEDLINE]

-  **17:** [Couvineau A, Maoret JJ, Rouyer-Fessard C, Carrero I, Laburthe M.](#) [Related Articles, Links](#)
-  **Cloning and functional characterization of the human VIP1/PACAP receptor promoter.**  
Ann N Y Acad Sci. 1998 Dec 11;865:59-63.  
PMID: 9927997 [PubMed - indexed for MEDLINE]
-  **18:** [Hahn SH, Eiden LE.](#) [Related Articles, Links](#)
-  **Cis-regulatory elements controlling basal and inducible VIP gene transcription.**  
Ann N Y Acad Sci. 1998 Dec 11;865:10-26. Review.  
PMID: 9927992 [PubMed - indexed for MEDLINE]
-  **19:** [Felix AM, Zhao Z, Lambros T, Ahmad M, Liu W, Daniewski A, Michalewsky J, Heimer EP.](#) [Related Articles, Links](#)
-  **Combined solid-phase/solution synthesis of a 31-residue vasoactive intestinal peptide analog: general method for repetitive coupling of fragments without isolation and purification of intermediates.**  
J Pept Res. 1998 Aug;52(2):155-64.  
PMID: 9727872 [PubMed - indexed for MEDLINE]
-  **20:** [Andrianov AM.](#) [Related Articles, Links](#)
-  **Spatial structure model of the CD4 receptor-binding site of the HIV envelope protein gp120.**  
J Biomol Struct Dyn. 1998 Jun;15(6):1101-13.  
PMID: 9669555 [PubMed - indexed for MEDLINE]
-  **21:** [Olianas MC, Ingiani A, Onali P.](#) [Related Articles, Links](#)
-  **Role of G protein betagamma subunits in muscarinic receptor-induced stimulation and inhibition of adenylyl cyclase activity in rat olfactory bulb.**  
J Neurochem. 1998 Jun;70(6):2620-7.  
PMID: 9603229 [PubMed - indexed for MEDLINE]
-  **22:** [Filizola M, Carteni-Farina M, Perez JJ.](#) [Related Articles, Links](#)
-  **Conformational study of vasoactive intestinal peptide by computational methods.**  
J Pept Res. 1997 Jul;50(1):55-64.  
PMID: 9273888 [PubMed - indexed for MEDLINE]
-  **23:** [Sejourne F, Suzuki H, Alkan-Onyuksel H, Gao XP, Ikezaki H, Rubinstein I.](#) [Related Articles, Links](#)
-  **Mechanisms of vasodilation elicited by VIP in sterically stabilized liposomes in vivo.**  
Am J Physiol. 1997 Jul;273(1 Pt 2):R287-92.  
PMID: 9249562 [PubMed - indexed for MEDLINE]
-  **24:** [Wollina U, Huschenbeck J, Knoll B, Sternberg B, Hipler UC.](#) [Related Articles, Links](#)
-  **Vasoactive intestinal peptide supports induced migration of human keratinocytes and their colonization of an artificial polyurethane matrix.**  
Regul Pept. 1997 May 14;70(1):29-36.  
PMID: 9250579 [PubMed - indexed for MEDLINE]
-  **25:** [Osterhoff C, Ivell R, Kirchhoff C.](#) [Related Articles, Links](#)
-  **Cloning of a human epididymis-specific mRNA, HE6, encoding a novel member of the seven transmembrane-domain receptor superfamily.**  
DNA Cell Biol. 1997 Apr;16(4):379-89.  
PMID: 9150425 [PubMed - indexed for MEDLINE]

-  **26:** [Jaeger E, Bauer S, Joyce MW, Foda HD, Berisha HI, Said SI](#). [Related Articles, Links](#)
-  **Structure-activity studies on VIP: IV. The synthetic agonist helodermin-fragment-(1-28)-amide is a potent VIP-agonist with prolonged duration of tracheal relaxant activity.**  
Ann N Y Acad Sci. 1996 Dec 26;805:499-504. No abstract available.  
PMID: 8993430 [PubMed - indexed for MEDLINE]
-  **27:** [Haghjoo K, Cash PW, Farid RS, Komisaruk BR, Jordan F, Pochapsky SS](#). [Related Articles, Links](#)
-  **Solution structure of vasoactive intestinal polypeptide (11-28)-NH<sub>2</sub>, a fragment with analgesic properties.**  
Pept Res. 1996 Nov-Dec;9(6):327-31.  
PMID: 9048428 [PubMed - indexed for MEDLINE]
-  **28:** [Gourlet P, Vandermeers A, Vandermeers-Piret MC, De Neef P, Robberecht P](#). [Related Articles, Links](#)
-  **Addition of the (28-38) peptide sequence of PACAP to the VIP sequence modifies peptide selectivity and efficacy.**  
Int J Pept Protein Res. 1996 Oct;48(4):391-6.  
PMID: 8919060 [PubMed - indexed for MEDLINE]
-  **29:** [Andrianov AM, Akhrem AA](#). [Related Articles, Links](#)
-  **[A model of spatial structure of the fragment 4-11 of the analog of vasoactive intestinal peptide. Analysis of structural-functional relations of the fragment with peptide T]**  
Dokl Akad Nauk. 1996 Aug;349(5):690-3. Russian. No abstract available.  
PMID: 8963239 [PubMed - indexed for MEDLINE]
-  **30:** [Johnson MC, McCormack RJ, Delgado M, Martinez C, Ganea D](#). [Related Articles, Links](#)
-  **Murine T-lymphocytes express vasoactive intestinal peptide receptor 1 (VIP-R1) mRNA.**  
J Neuroimmunol. 1996 Aug;68(1-2):109-19.  
PMID: 8784267 [PubMed - indexed for MEDLINE]
-  **31:** [Tolentino PJ, Villa-Komaroff L](#). [Related Articles, Links](#)
-  **Regulation of vasoactive intestinal polypeptide and galanin mRNA stabilities.**  
Brain Res Mol Brain Res. 1996 Jul;39(1-2):89-98.  
PMID: 8804717 [PubMed - indexed for MEDLINE]
-  **32:** [Gozes I, Brenneman DE](#). [Related Articles, Links](#)
-  **Activity-dependent neurotrophic factor (ADNF). An extracellular neuroprotective chaperonin?**  
J Mol Neurosci. 1996 Winter;7(4):235-44. Review.  
PMID: 8968945 [PubMed - indexed for MEDLINE]
-  **33:** [Gozes I, Fridkin M, Brenneman DE](#). [Related Articles, Links](#)
-  **A VIP hybrid antagonist: from developmental neurobiology to clinical applications.**  
Cell Mol Neurobiol. 1995 Dec;15(6):675-87. Review.  
PMID: 8719036 [PubMed - indexed for MEDLINE]
-  **34:** [Taylor AD, Flower RJ, Buckingham JC](#). [Related Articles, Links](#)
-  **Dexamethasone inhibits the release of TSH from the rat anterior pituitary gland in vitro by mechanisms dependent on de novo protein synthesis and lipocortin 1.**  
J Endocrinol. 1995 Dec;147(3):533-44.  
PMID: 8543924 [PubMed - indexed for MEDLINE]

-  **35:** [Cox HM, Tough IR.](#) Related Articles, Links  
 **Functional characterization of receptors with affinity for PYY, NPY, [Leu31,Pro34]NPY and PP in a human colonic epithelial cell line.**  
 Br J Pharmacol. 1995 Nov;116(6):2673-8.  
 PMID: 8590988 [PubMed - indexed for MEDLINE]
-  **36:** [Gremlich S, Porret A, Hani EH, Cherif D, Vionnet N, Froguel P, Thorens B.](#) Related Articles, Links  
 **Cloning, functional expression, and chromosomal localization of the human pancreatic islet glucose-dependent insulintropic polypeptide receptor.**  
 Diabetes. 1995 Oct;44(10):1202-8.  
 PMID: 7556958 [PubMed - indexed for MEDLINE]
-  **37:** [Paul S, Li L, Kalaga R, Wilkins-Stevens P, Stevens FJ, Solomon A.](#) Related Articles, Links  
 **Natural catalytic antibodies: peptide-hydrolyzing activities of Bence Jones proteins and VL fragment.**  
 J Biol Chem. 1995 Jun 23;270(25):15257-61.  
 PMID: 7797511 [PubMed - indexed for MEDLINE]
-  **38:** [You S, Silsby JL, Farris J, Foster DN, el Halawani ME.](#) Related Articles, Links  
 **Tissue-specific alternative splicing of turkey preprovasoactive intestinal peptide messenger ribonucleic acid, its regulation, and correlation with prolactin secretion.**  
 Endocrinology. 1995 Jun;136(6):2602-10.  
 PMID: 7750483 [PubMed - indexed for MEDLINE]
-  **39:** [Ernstrom U, Gafvelin G, Mutt V.](#) Related Articles, Links  
 **Rescue of thymocytes from cell death by vasoactive intestinal peptide.**  
 Regul Pept. 1995 May 30;57(2):99-104.  
 PMID: 7659793 [PubMed - indexed for MEDLINE]
-  **40:** [Xu XJ, Andell S, Zhang X, Wiesenfeld-Hallin Z, Langel U, Bedecs K, Hokfelt T, Bartfai T.](#) Related Articles, Links  
 **Peripheral axotomy increases the expression of galanin message-associated peptide (GMAP) in dorsal root ganglion cells and alters the effects of intrathecal GMAP on the flexor reflex in the rat.**  
 Neuropeptides. 1995 May;28(5):299-307.  
 PMID: 7603589 [PubMed - indexed for MEDLINE]
-  **41:** [Grishina O, Charpin G, Marquet F, Pansu D, Descroix-Vagne M.](#) Related Articles, Links  
 **[Effect of C-terminal derivatives of sorbin on duodenal ion transports in rats]**  
 Gastroenterol Clin Biol. 1995 May;19(5):487-93. French.  
 PMID: 7590000 [PubMed - indexed for MEDLINE]
-  **42:** [Venugopalan CS, Holmes EP, Kleinow KM.](#) Related Articles, Links  
 **Evidence for serotonin involvement in the NANC excitatory neurotransmission in the catfish intestine.**  
 J Auton Pharmacol. 1995 Feb;15(1):37-48.  
 PMID: 7538135 [PubMed - indexed for MEDLINE]
-  **43:** [Quin JA, Sgambati SA, Goldenring JR, Basson MD, Fielding LP, Modlin IM, Ballantyne GH.](#) Related Articles, Links  
 **PYY inhibition of VIP-stimulated ion transport in the rabbit distal ileum.**  
 J Surg Res. 1995 Jan;58(1):111-5.  
 PMID: 7830399 [PubMed - indexed for MEDLINE]


-  **44:** [Perez MT, Larsson B, Alm P, Andersson KE, Ehinger B.](#) [Related Articles, Links](#)  
 **Localisation of neuronal nitric oxide synthase-immunoreactivity in rat and rabbit retinas.**  
 Exp Brain Res. 1995;104(2):207-17.  
 PMID: 7545585 [PubMed - indexed for MEDLINE]
-  **45:** [Ichinose M, Sawada M, Maeno T.](#) [Related Articles, Links](#)  
 **Inhibitory effect of vasoactive intestinal peptide (VIP) on phagocytosis in mouse peritoneal macrophages.**  
 Regul Pept. 1994 Dec 15;54(2-3):457-66.  
 PMID: 7536335 [PubMed - indexed for MEDLINE]
-  **46:** [Fabre C, Bellan C, Marvaldi J, Luis J.](#) [Related Articles, Links](#)  
 **A receptor for VIP-related peptides with an unusual selectivity profile on the melanoma cell line IGR37.**  
 Melanoma Res. 1994 Dec;4(6):379-83.  
 PMID: 7703717 [PubMed - indexed for MEDLINE]
-  **47:** [Mikkelsen JD, Fahrenkrug J.](#) [Related Articles, Links](#)  
 **Concentrations and distribution of vasoactive intestinal peptide (VIP), peptide histidine isoleucine (PHI) and peptide histidine valine (PHV) in the cerebral cortex and the suprachiasmatic nucleus of the mouse.**  
 Brain Res. 1994 Sep 5;656(1):95-107.  
 PMID: 7804850 [PubMed - indexed for MEDLINE]
-  **48:** [Gu ZF, Pradhan TK, Coy DH, Jensen RT.](#) [Related Articles, Links](#)  
 **Smooth muscle cells from guinea pig stomach possess high-affinity galanin receptors that mediate relaxation.**  
 Am J Physiol. 1994 May;266(5 Pt 1):G839-45.  
 PMID: 7515574 [PubMed - indexed for MEDLINE]
-  **49:** [Johansson O, Hilliges M, Talmé T, Marcusson JA, Wetterberg L.](#) [Related Articles, Links](#)  
 **Speculations around the mechanism behind the action of peptide T in the healing of psoriasis: a minireview.**  
 Acta Derm Venereol. 1993 Dec;73(6):401-3. Review.  
 PMID: 7906447 [PubMed - indexed for MEDLINE]
-  **50:** [Tang XJ, Thibault P, Boyd RK.](#) [Related Articles, Links](#)  
 **Fragmentation reactions of multiply-protonated peptides and implications for sequencing by tandem mass spectrometry with low-energy collision-induced dissociation.**  
 Anal Chem. 1993 Oct 15;65(20):2824-34.  
 PMID: 7504416 [PubMed - indexed for MEDLINE]
-  **51:** [Taoudi Benchekroun M, St-Pierre S, Fournier A, Cadioux A.](#) [Related Articles, Links](#)  
 **Antagonism of the inhibitory action of neuropeptide Y (NPY) in guinea-pig trachea by the C-terminal fragment NPY (2-36).**  
 Br J Pharmacol. 1993 Aug;109(4):902-4.  
 PMID: 8401942 [PubMed - indexed for MEDLINE]
-  **52:** [Hsiung HM, Smith DP, Zhang XY, Bennett T, Rosteck PR Jr, Lai MH.](#) [Related Articles, Links](#)  
 **Structure and functional expression of a complementary DNA for porcine growth hormone-releasing hormone receptor.**  
 Neuropeptides. 1993 Jul;25(1):1-10.  
 PMID: 8413847 [PubMed - indexed for MEDLINE]

 **53:** [Chiu KW, Lee YC.](#)

[Related Articles, Links](#)




Cardiac activity of some peptide hormones in the frog, *Rana tigrina*.  
Comp Biochem Physiol C. 1992 Nov;103(3):483-7.  
PMID: 1363298 [PubMed - indexed for MEDLINE]

 **54:** [Grundemar L, Hakanson R.](#)

[Related Articles, Links](#)




Unlike VIP, the VIP-related peptides PACAP, helodermin and helospectin suppress electrically evoked contractions of rat vas deferens.  
Regul Pept. 1992 Aug 13;40(3):331-7.  
PMID: 1438978 [PubMed - indexed for MEDLINE]

 **55:** [Absood A, Chen D, Wang ZY, Hakanson R.](#)

[Related Articles, Links](#)



Vascular effects of pituitary adenylate cyclase activating peptide: a comparison with vasoactive intestinal peptide.  
Regul Pept. 1992 Aug 13;40(3):323-9. Erratum in: Regul Pept 1994 Feb 24;50(2):203.  
PMID: 1332142 [PubMed - indexed for MEDLINE]

 **56:** [Pincelli C, Fantini F, Romualdi P, Sevigani C, Lesa G, Benassi L, Giannetti A.](#) [Related Articles, Links](#)




Substance P is diminished and vasoactive intestinal peptide is augmented in psoriatic lesions and these peptides exert disparate effects on the proliferation of cultured human keratinocytes.  
J Invest Dermatol. 1992 Apr;98(4):421-7.  
PMID: 1372339 [PubMed - indexed for MEDLINE]

 **57:** [Paulssen RH, Paulssen EJ, Gautvik KM, Gordeladze JO.](#)

[Related Articles, Links](#)




The thyroliberin receptor interacts directly with a stimulatory guanine-nucleotide-binding protein in the activation of adenylyl cyclase in GH3 rat pituitary tumour cells. Evidence obtained by the use of antisense RNA inhibition and immunoblocking of the stimulatory guanine-nucleotide-binding protein.  
Eur J Biochem. 1992 Feb 15;204(1):413-8.  
PMID: 1310943 [PubMed - indexed for MEDLINE]

 **58:** [Goossens JF, Pommery N, Lohez M, Pommery J, Helbecque N, Cotellet P, Lhermitte M, Henichart JP.](#)

[Related Articles, Links](#)




Antagonistic effect of a vasoactive intestinal peptide fragment, vasoactive intestinal peptide(1-11), on guinea pig trachea smooth muscle relaxation.  
Mol Pharmacol. 1992 Jan;41(1):104-9.  
PMID: 1732717 [PubMed - indexed for MEDLINE]

 **59:** [Giannetti A, Fantini F, Cimitan A, Pincelli C.](#)

[Related Articles, Links](#)




Vasoactive intestinal polypeptide and substance P in the pathogenesis of atopic dermatitis.  
Acta Derm Venereol Suppl (Stockh). 1992;176:90-2.  
PMID: 1282289 [PubMed - indexed for MEDLINE]

 **60:** [Chastre E, Di Gioia Y, Barbry P, Simon-Bouy B, Mornet E, Fanen P, Champigny G, Emami S, Gespach C.](#) [Related Articles, Links](#)



Functional insertion of the SV40 large T oncogene in cystic fibrosis intestinal epithelium. Characterization of CFI-3 cells.  
J Biol Chem. 1991 Nov 5;266(31):21239-46.  
PMID: 1718974 [PubMed - indexed for MEDLINE]

 **61:** [Meyerhof W, Paust HJ, Schonrock C, Richter D.](#)


[Related Articles, Links](#)




Cloning of a cDNA encoding a novel putative G-protein-coupled receptor expressed in specific rat brain regions.  
DNA Cell Biol. 1991 Nov;10(9):689-94.

PMID: 1661599 [PubMed - indexed for MEDLINE]


-  **62:** [Raufman JP, Malhotra R, Singh L.](#) Related Articles, Links

 **PACAP-38, a novel peptide from ovine hypothalamus, is a potent modulator of amylase release from dispersed acini from rat pancreas.**  
Regul Pept. 1991 Oct 1;36(1):121-9.  
PMID: 1724566 [PubMed - indexed for MEDLINE]


-  **63:** [Mei S, Mody B, Eklund SH, Paul S.](#) Related Articles, Links


 **Vasoactive intestinal peptide hydrolysis by antibody light chains.**  
J Biol Chem. 1991 Aug 25;266(24):15571-4.  
PMID: 1908455 [PubMed - indexed for MEDLINE]


-  **64:** [Jorgensen JC.](#) Related Articles, Links


 **Interaction between norepinephrine, NPY and VIP in the ovarian artery.**  
Peptides. 1991 Jul-Aug;12(4):831-7.  
PMID: 1788146 [PubMed - indexed for MEDLINE]


-  **65:** [Du C, Conklin JL, Hammer G.](#) Related Articles, Links

 **Enteric neural modulation of slow-wave activity in cat colon.**  
Dig Dis Sci. 1991 Jun;36(6):719-26.  
PMID: 1674468 [PubMed - indexed for MEDLINE]


-  **66:** [Nandha KA, Benito-Orfila MA, Smith DM, Ghatel MA, Bloom SR.](#) Related Articles, Links


 **Action of pituitary adenylate cyclase-activating polypeptide and vasoactive intestinal polypeptide on the rat vascular system: effects on blood pressure and receptor binding.**  
J Endocrinol. 1991 Apr;129(1):69-73.  
PMID: 2030331 [PubMed - indexed for MEDLINE]


-  **67:** [Bondesson L, Norolind K, Liden S, Gafvelin G, Theodorsson E, Mutt V.](#) Related Articles, Links

 **Dual effects of vasoactive intestinal peptide (VIP) on leucocyte migration.**  
Acta Physiol Scand. 1991 Apr;141(4):477-81.  
PMID: 1877347 [PubMed - indexed for MEDLINE]


-  **68:** [Raufman JP, Singh L, Eng J.](#) Related Articles, Links


 **Exendin-3, a novel peptide from Heloderma horridum venom, interacts with vasoactive intestinal peptide receptors and a newly described receptor on dispersed acini from guinea pig pancreas. Description of exendin-3(9-39) amide, a specific exendin receptor antagonist.**  
J Biol Chem. 1991 Feb 15;266(5):2897-902.  
PMID: 1704369 [PubMed - indexed for MEDLINE]

-  **69:** [Lamperti ED, Rosen KM, Villa-Komaroff L.](#) Related Articles, Links




















 **Characterization of the gene and messages for vasoactive intestinal polypeptide (VIP) in rat and mouse.**  
Brain Res Mol Brain Res. 1991 Feb;9(3):217-31.  
PMID: 1851524 [PubMed - indexed for MEDLINE]

-  **70:** [Ito O, Tachibana S.](#) Related Articles, Links


 **Vasoactive intestinal polypeptide precursors have highly potent bronchodilatory activity.**  
Peptides. 1991 Jan-Feb;12(1):131-7.  
PMID: 2052489 [PubMed - indexed for MEDLINE]


-  **71:** [Pincelli C, Fantini F, Romualdi P, Lesa G, Giannetti A.](#) Related Articles, Links





-  Skin levels of vasoactive intestinal polypeptide in atopic dermatitis.  
Arch Dermatol Res. 1991;283(4):230-2.  
PMID: 1929540 [PubMed - indexed for MEDLINE]
-  **72:** [Gafvelin G, Bergman T, Andersson M, Persson B, Jomvall H, Mutt V.](#) [Related Articles, Links](#)
-  A fragment of triosephosphate isomerase competes with the vasoactive intestinal polypeptide (VIP) for binding to the VIP receptor.  
Acta Chem Scand. 1991 Jan;45(1):63-7.  
PMID: 1851427 [PubMed - indexed for MEDLINE]
-  **73:** [Agoston DV, Bravo DT, Waschek JA.](#) [Related Articles, Links](#)
-  Expression of a chimeric VIP gene is targeted to the intestine in transgenic mice.  
J Neurosci Res. 1990 Dec;27(4):479-86.  
PMID: 2079711 [PubMed - indexed for MEDLINE]
-  **74:** [Nielsen FC, Gammeltoft S, Westermark B, Fabrenkrug J.](#) [Related Articles, Links](#)
-  High affinity receptors for vasoactive intestinal peptide on a human glioma cell line.  
Peptides. 1990 Nov-Dec;11(6):1225-31.  
PMID: 1965033 [PubMed - indexed for MEDLINE]
-  **75:** [Kaiser PK, Lipton SA.](#) [Related Articles, Links](#)
-  VIP-mediated increase in cAMP prevents tetrodotoxin-induced retinal ganglion cell death in vitro.  
Neuron. 1990 Sep;5(3):373-81.  
PMID: 2169272 [PubMed - indexed for MEDLINE]
-  **76:** [Takeyama M, Wakayama K, Takayama F, Kondo K, Fujii N, Yajima H.](#) [Related Articles, Links](#)
-  Micro-enzyme immunoassay of vasoactive intestinal polypeptide (VIP)-like immunoreactive substance in bovine milk.  
Chem Pharm Bull (Tokyo). 1990 Apr;38(4):960-2.  
PMID: 2199087 [PubMed - indexed for MEDLINE]
-  **77:** [Cauvin A, Vandermeers A, Vandermeers-Piret MC, Robberecht P, Christophe J.](#) [Related Articles, Links](#)
-  Variable distribution of three molecular forms of peptide histidine isoleucinamide in rat tissues: identification of the large molecular form as peptide histidine valine-(1-42).  
Endocrinology. 1989 Nov;125(5):2645-55.  
PMID: 2792003 [PubMed - indexed for MEDLINE]
-  **78:** [Moumni C, Magous R, Bali JP.](#) [Related Articles, Links](#)
-  Gastrointestinal hormone receptors on isolated smooth muscle cells from gastric antrum of the rabbit.  
Biochem Pharmacol. 1989 Sep 1;38(17):2895-901.  
PMID: 2550013 [PubMed - indexed for MEDLINE]
-  **79:** [Paul S, Volle DJ, Beach CM, Johnson DR, Powell MJ, Massey RJ.](#) [Related Articles, Links](#)
-  Catalytic hydrolysis of vasoactive intestinal peptide by human autoantibody.  
Science. 1989 Jun 9;244(4909):1158-62.  
PMID: 2727702 [PubMed - indexed for MEDLINE]
-  **80:** [Romualdi P, Rosenberger JG, Gozzini L, Cox BM.](#) [Related Articles, Links](#)
-  Vasoactive intestinal polypeptide carboxy-terminal fragment, VIP(22-28),


and other fragments of VIP, in the central nervous system of the rat.  
Peptides. 1989 May-Jun;10(3):621-6.  
PMID: 2780421 [PubMed - indexed for MEDLINE]


-  **81:** [Takeyama M, Hatano M, Otaka A, Fujii N, Yajima H.](#) [Related Articles, Links](#)

 Immuno-affinity purification of specific antibodies against vasoactive intestinal polypeptide (VIP) on VIP (1-10)-linked polydimethylacrylamide resin.  
Chem Pharm Bull (Tokyo). 1989 Mar;37(3):834-7.  
PMID: 2752498 [PubMed - indexed for MEDLINE]


-  **82:** [Pachter JA, Marshak DW, Lam DM, Fry KR.](#) [Related Articles, Links](#)

 A peptide histidine isoleucine/peptide histidine methionine-like peptide in the rabbit retina: colocalization with vasoactive intestinal peptide, synaptic relationships and activation of adenylate cyclase activity.  
Neuroscience. 1989;31(2):507-19.  
PMID: 2797447 [PubMed - indexed for MEDLINE]


-  **83:** [Gotch E, Yamagami T, Yamamoto H, Okamoto H.](#) [Related Articles, Links](#)

 Chromosomal assignment of human VIP/PHM-27 gene to 6q26----q27 region by spot blot hybridization and in situ hybridization.  
Biochem Int. 1988 Sep;17(3):555-62.  
PMID: 3202886 [PubMed - indexed for MEDLINE]


-  **84:** [Johnson AL, Tilly JL.](#) [Related Articles, Links](#)


 Effects of vasoactive intestinal peptide on steroid secretion and plasminogen activator activity in granulosa cells of the hen.  
Biol Reprod. 1988 Mar;38(2):296-303.  
PMID: 2451937 [PubMed - indexed for MEDLINE]


-  **85:** [Yu G, Glazer RI.](#) [Related Articles, Links](#)

 Purification and characterization of p93fes- and p60src-related tyrosine protein kinase activities in differentiated HL-60 leukemia cells.  
J Biol Chem. 1987 Dec 25;262(36):17543-8.  
PMID: 3480286 [PubMed - indexed for MEDLINE]


-  **86:** [Nguyen TT, Krco CJ, Gores A, Go VL.](#) [Related Articles, Links](#)

 Analysis of the immunomodulatory properties of the secretin-glucagon family of peptides on mouse lymphoid cell functions and the demonstration of specific receptors on T cells.  
Immunol Invest. 1987 Nov;16(7):555-77.  
PMID: 2832322 [PubMed - indexed for MEDLINE]




















-  **87:** [Beckner SK, Wright DE, Lin MC.](#) [Related Articles, Links](#)

 Decreased potency of glucagon on transformed-induced MDCK cells does not reflect an alteration of adenylate cyclase components.  
Endocrinology. 1987 Oct;121(4):1438-46.  
PMID: 3653036 [PubMed - indexed for MEDLINE]

-  **88:** [Mittag TW, Tormay A, Podos SM.](#) [Related Articles, Links](#)


 Vasoactive intestinal peptide and intraocular pressure: adenylate cyclase activation and binding sites for vasoactive intestinal peptide in membranes of ocular ciliary processes.  
J Pharmacol Exp Ther. 1987 Apr;241(1):230-5.  
PMID: 3033201 [PubMed - indexed for MEDLINE]

-  **89:** [Pan GZ, Lu L, Qian JM, Xue BG.](#) [Related Articles, Links](#)

-  **Bovine pancreatic polypeptide as an antagonist of muscarinic cholinergic receptors.**  
Am J Physiol. 1987 Mar;252(3 Pt 1):G384-91.  
PMID: 2435168 [PubMed - indexed for MEDLINE]
-  **90:** [Carstairs JR, Barnes PJ.](#) [Related Articles, Links](#)
-  **Visualization of vasoactive intestinal peptide receptors in human and guinea pig lung.**  
J Pharmacol Exp Ther. 1986 Oct;239(1):249-55.  
PMID: 3020233 [PubMed - indexed for MEDLINE]
-  **91:** [Turner JT, Jones SB, Bylund DB.](#) [Related Articles, Links](#)
-  **A fragment of vasoactive intestinal peptide, VIP(10-28), is an antagonist of VIP in the colon carcinoma cell line, HT29.**  
Peptides. 1986 Sep-Oct;7(5):849-54.  
PMID: 3025826 [PubMed - indexed for MEDLINE]
-  **92:** [Brenneman DE, Eiden LE.](#) [Related Articles, Links](#)
-  **Vasoactive intestinal peptide and electrical activity influence neuronal survival.**  
Proc Natl Acad Sci U S A. 1986 Feb;83(4):1159-62.  
PMID: 3456568 [PubMed - indexed for MEDLINE]
-  **93:** [Naruse S, Yasui A, Kishida S, Kadowaki M, Hoshino M, Ozaki T, Robberecht P, Christophe J, Yanaihara C, Yanaihara N.](#) [Related Articles, Links](#)
-  **Helodermin has a VIP-like effect upon canine blood flow.**  
Peptides. 1986;7 Suppl 1:237-40.  
PMID: 3748849 [PubMed - indexed for MEDLINE]
-  **94:** [Berrettini WH, Nummerger JI Jr, Gold PW, Chretien M, Chrousos GP, Chan JS, Goldin LR, Gershon ES.](#) [Related Articles, Links](#)
-  **Neuropeptides in human cerebrospinal fluid.**  
Life Sci. 1985 Sep 30;37(13):1265-70.  
PMID: 2864620 [PubMed - indexed for MEDLINE]
-  **95:** [Chang JY.](#) [Related Articles, Links](#)
-  **Thrombin specificity. Requirement for apolar amino acids adjacent to the thrombin cleavage site of polypeptide substrate.**  
Eur J Biochem. 1985 Sep 2;151(2):217-24.  
PMID: 2863141 [PubMed - indexed for MEDLINE]
-  **96:** [Paul S, Heinz-Erian P, Said SI.](#) [Related Articles, Links](#)
-  **Autoantibody to vasoactive intestinal peptide in human circulation.**  
Biochem Biophys Res Commun. 1985 Jul 16;130(1):479-85.  
PMID: 3839670 [PubMed - indexed for MEDLINE]
-  **97:** [Pozdniakov VI, Pankov IuA.](#) [Related Articles, Links](#)
-  **[Computer bank of amino-acid sequences of protein hormones. Analysis of evolutionary, conformational and physico-chemical properties of the individual sites of sequences in superfamilies of proinsulin and proglucagon]**  
Biokhimiia. 1985 Jan;50(1):32-46. Russian.  
PMID: 3919776 [PubMed - indexed for MEDLINE]
-  **98:** [Huang M, Rorstad OP.](#) [Related Articles, Links](#)
-  **Cerebral vascular adenylate cyclase: evidence for coupling to receptors for vasoactive intestinal peptide and parathyroid hormone.**  
J Neurochem. 1984 Sep;43(3):849-56.


PMID: 6086840 [PubMed - indexed for MEDLINE]

-  **99:** [Carlquist M, Jornvall H, Mutt V.](#) [Related Articles, Links](#)

 A C-terminal fragment of hemoglobin beta-chains in extracts of porcine upper intestine.

FEBS Lett. 1984 May 7;170(1):28-32.


PMID: 6723963 [PubMed - indexed for MEDLINE]


-  **100:** [Yanaibara N, Yanaibara C, Nokihara K, Iguchi K, Fukata S, Tanaka M, Yamamoto Y, Mochizuki T.](#) [Related Articles, Links](#)

 Immunochemical study on PHI/PHM with use of synthetic peptides.

Peptides. 1984 Mar-Apr;5(2):247-54.


PMID: 6548021 [PubMed - indexed for MEDLINE]


-  **101:** [Shulkes A, Boden R, Cook I, Gallagher N, Furness JB.](#) [Related Articles, Links](#)

 Characterization of a pancreatic tumor containing vasoactive intestinal peptide, neurotensin, and pancreatic polypeptide.

J Clin Endocrinol Metab. 1984 Jan;58(1):41-8.


PMID: 6315763 [PubMed - indexed for MEDLINE]


-  **102:** [Esteve JP, Vaysse N, Susini C, Kunsch JM, Fourmy D, Pradayrol L, Wunsch E, Moroder L, Ribet A.](#) [Related Articles, Links](#)

 Bimodal regulation of pancreatic exocrine function in vitro by somatostatin-28.

Am J Physiol. 1983 Aug;245(2):G208-16.

PMID: 6192725 [PubMed - indexed for MEDLINE]


-  **103:** [Ottaway CA, Bernaerts C, Chan B, Greenberg GR.](#) [Related Articles, Links](#)

 Specific binding of vasoactive intestinal peptide to human circulating mononuclear cells.

Can J Physiol Pharmacol. 1983 Jul;61(7):664-71.

PMID: 6311383 [PubMed - indexed for MEDLINE]


-  **104:** [Jensen RT, Jones SW, Gardner JD.](#) [Related Articles, Links](#)

 COOH-terminal fragments of cholecystokinin. A new class of cholecystokinin receptor antagonists.

Biochim Biophys Acta. 1983 May 25;757(2):250-8.


PMID: 6189522 [PubMed - indexed for MEDLINE]


-  **105:** [Fournier A, Saunders JK, St-Pierre S.](#) [Related Articles, Links](#)

 400 MHz NMR study on the C-terminal fragment 21-28 of vasoactive intestinal peptide.

Peptides. 1982 May-Jun;3(3):345-52.


PMID: 7122271 [PubMed - indexed for MEDLINE]


-  **106:** [Waelbroeck M, Robberecht P, De Neef P, Chatelain P, Christophe J.](#) [Related Articles, Links](#)

 Binding of vasoactive intestinal peptide and its stimulation of adenylate cyclase through two classes of receptors in rat liver membranes. Effects of 12 secretin analogues and 2 secretin fragments.

Biochim Biophys Acta. 1981 Nov 18;678(1):83-90.

PMID: 6272875 [PubMed - indexed for MEDLINE]

-  **107:** [Chatelain P, Robberecht P, De Neef P, Deschodt-Lanckman M, König W, Christophe J.](#) [Related Articles, Links](#)

 Secretin and VIP-stimulated adenylate cyclase from rat heart. I. General properties and structural requirements for enzyme activation.

Pflugers Arch. 1980 Dec;389(1):21-7.

PMID: 7193463 [PubMed - indexed for MEDLINE]

☐ **108:** [Gardner JD, Rottman AJ, Fink ML, Natarajan S, Bodanszky M.](#) [Related Articles](#), [Links](#)



Importance of the amino acid in position 15 of VIP and secretin in influencing their interactions with membrane receptors on pancreatic acinar cells.

Endocrinol Jpn. 1980 Dec;27 Suppl 1:1-5.

PMID: 6262063 [PubMed - indexed for MEDLINE]

☐ **109:** [Yajima H, Takeyama M, Koyama K, Tobe T, Inoue K, Kawano T, Adachi H.](#) [Related Articles](#), [Links](#)



Studies on peptides. LXXXVII. Synthesis of an octacosapeptide amide corresponding to the entire amino acid sequence of chicken vasoactive intestinal polypeptide (VIP).

Int J Pept Protein Res. 1980 Jul;16(1):33-47.

PMID: 7440061 [PubMed - indexed for MEDLINE]

☐ **110:** [Ohneda A, Watanabe K, Wakimatsu M, Fujino M.](#) [Related Articles](#), [Links](#)



Production of a specific antiserum by synthetic C-terminal fragment of glucagon.

Horm Metab Res. 1979 Aug;11(8):463-8.

PMID: 574120 [PubMed - indexed for MEDLINE]

☐ **111:** [Dockravy GJ.](#) [Related Articles](#), [Links](#)



Evolutionary relationships of the gut hormones.

Fed Proc. 1979 Aug;38(9):2295-301.

PMID: 378711 [PubMed - indexed for MEDLINE]

☐ **112:** [Gardner JD, Conlon TP, Fink ML, Bodanszky M.](#) [Related Articles](#), [Links](#)



Interaction of peptides related to secretin with hormone receptors on pancreatic acinar cells.

Gastroenterology. 1976 Dec;71(6):965-70.

PMID: 186350 [PubMed - indexed for MEDLINE]

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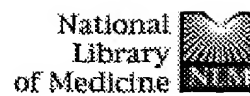
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









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**Pathologic evaluation of the human suprachiasmatic nucleus in severe dementia.**  
 J Neuropathol Exp Neurol. 1999 Jan;58(1):29-39.  
 PMID: 10068311 [PubMed - indexed for MEDLINE]
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**Protection against developmental retardation in apolipoprotein E-deficient mice by a fatty neuropeptide: implications for early treatment of Alzheimer's disease.**  
 J Neurobiol. 1997 Sep;33(3):329-42.  
 PMID: 9298769 [PubMed - indexed for MEDLINE]
- ☐ 3: [Gozes I, Bardea A, Bechar M, Pearl O, Reshef A, Zamostiano R, Davidson A, Rubinraut S, Giladi E, Fridkin M, Brenneman DE.](#) Related Articles, Links  
**Neuropeptides and neuronal survival: neuroprotective strategy for Alzheimer's disease.**  
 Ann N Y Acad Sci. 1997 Apr 24;814:161-6. Review. No abstract available.  
 PMID: 9160968 [PubMed - indexed for MEDLINE]
- ☐ 4: [Gabriel SM, Davidson M, Haroutunian V, Powchik P, Bierer LM, Purohit DP, Perl DP, Davis KL.](#) Related Articles, Links  
**Neuropeptide deficits in schizophrenia vs. Alzheimer's disease cerebral cortex.**  
 Biol Psychiatry. 1996 Jan 15;39(2):82-91.  
 PMID: 8717605 [PubMed - indexed for MEDLINE]
- ☐ 5: [Gozes I, Bardea A, Reshef A, Zamostiano R, Zhukovsky S, Rubinraut S, Fridkin M, Brenneman DE.](#) Related Articles, Links  
**Neuroprotective strategy for Alzheimer disease: intranasal administration of a fatty neuropeptide.**  
 Proc Natl Acad Sci U S A. 1996 Jan 9;93(1):427-32.  
 PMID: 8552653 [PubMed - indexed for MEDLINE]
- ☐ 6: [Hoogendijk WJ, van Someren EJ, Mirmiran M, Hofman MA, Lucassen PJ, Zhou JN, Swaab DF.](#) Related Articles, Links  
**Circadian rhythm-related behavioral disturbances and structural hypothalamic changes in Alzheimer's disease.**  
 Int Psychogeriatr. 1996;8 Suppl 3:245-52; discussion 269-72. No abstract available.  
 PMID: 9154571 [PubMed - indexed for MEDLINE]
- ☐ 7: [Gozes I, Brenneman DE.](#) Related Articles, Links  
**Activity-dependent neurotrophic factor (ADNF). An extracellular neuroprotective chaperonin?**  
 J Mol Neurosci. 1996 Winter;7(4):235-44. Review.  
 PMID: 8968945 [PubMed - indexed for MEDLINE]

-  **8:** [Yasuda M, Maeda K, Kakigi T, Minamitani N, Kawaguchi T, Tanaka C.](#) [Related Articles, Links](#)  
**Low cerebrospinal fluid concentrations of peptide histidine valine and somatostatin-28 in Alzheimer's disease: altered processing of prepro-vasoactive intestinal peptide and prepro-somatostatin.**  
 Neuropeptides. 1995 Dec;29(6):325-30.  
 PMID: 8837959 [PubMed - indexed for MEDLINE]
-  **9:** [Zhou JN, Hofman MA, Swaab DF.](#) [Related Articles, Links](#)  
**VIP neurons in the human SCN in relation to sex, age, and Alzheimer's disease.**  
 Neurobiol Aging. 1995 Jul-Aug;16(4):571-6.  
 PMID: 8544907 [PubMed - indexed for MEDLINE]
-  **10:** [Yasuda M, Minamitani N, Maeda K.](#) [Related Articles, Links](#)  
**Peptide histidine methionine in cerebrospinal fluid of patients with senile dementia of the Alzheimer type.**  
 Jpn J Psychiatry Neurol. 1993 Mar;47(1):85-90.  
 PMID: 8105129 [PubMed - indexed for MEDLINE]
-  **11:** [Sunderland T, Berrettini WH, Molchan SE, Lawlor BA, Martinez RA, Vitiello B, Tariot PN, Cohen RM.](#) [Related Articles, Links](#)  
**Reduced cerebrospinal fluid dynorphin A1-8 in Alzheimer's disease.**  
 Biol Psychiatry. 1991 Jul 1;30(1):81-7.  
 PMID: 1716470 [PubMed - indexed for MEDLINE]
-  **12:** [Jolkkonen J, Hartikainen P, Soikkeli R, Bissette G, Nemeroff C, Riekkinen P.](#) [Related Articles, Links](#)  
**A correlation study of CSF neuropeptides in Alzheimer's and Parkinson's disease.**  
 Neuropeptides. 1991 Jun;19(2):97-102.  
 PMID: 1682848 [PubMed - indexed for MEDLINE]
-  **13:** [Danielsson E, Eckernas SA, Westlind-Danielsson A, Nordstrom O, Bartfai T, Gottfries CG, Wallin A.](#) [Related Articles, Links](#)  
**VIP-sensitive adenylate cyclase, guanylate cyclase, muscarinic receptors, choline acetyltransferase and acetylcholinesterase, in brain tissue afflicted by Alzheimer's disease/senile dementia of the Alzheimer type.**  
 Neurobiol Aging. 1988 Mar-Apr;9(2):153-62.  
 PMID: 2897639 [PubMed - indexed for MEDLINE]
-  **14:** [Struble RG, Powers RE, Casanova MF, Kitt CA, Brown EC, Price DL.](#) [Related Articles, Links](#)  
**Neuropeptidergic systems in plaques of Alzheimer's disease.**  
 J Neuropathol Exp Neurol. 1987 Sep;46(5):567-84. Review.  
 PMID: 2442313 [PubMed - indexed for MEDLINE]
-  **15:** [Katzman R, Brown T, Fuld P, Thal L, Davies P, Terry R.](#) [Related Articles, Links](#)  
**Significance of neurotransmitter abnormalities in Alzheimer's disease.**  
 Res Publ Assoc Res Nerv Ment Dis. 1986;64:279-86. No abstract available.  
 PMID: 2873637 [PubMed - indexed for MEDLINE]
-  **16:** [Bouras C, de St Hilaire-Kafi S, Constantinidis J.](#) [Related Articles, Links](#)  
**Neuropeptides in Alzheimer's disease: a review and morphological results.**  
 Prog Neuropsychopharmacol Biol Psychiatry. 1986;10(3-5):271-86. Review.  
 PMID: 2432629 [PubMed - indexed for MEDLINE]
-  **17:** [Rossor M, Emson P, Dawbarn D, Deckray G, Mountjoy C, Roth M.](#) [Related Articles, Links](#)

-  Postmortem studies of peptides in Alzheimer's disease and Huntington's disease.  
Res Publ Assoc Res Nerv Ment Dis. 1986;64:259-77. Review. No abstract available.  
PMID: 2425405 [PubMed - indexed for MEDLINE]


 **18:** [Kulmala HK.](#)


[Related Articles, Links](#)

-  Some enkephalin- or VIP-immunoreactive hippocampal pyramidal cells contain neurofibrillary tangles in the brains of aged humans and persons with Alzheimer's disease.  
Neurochem Pathol. 1985 Spring;3(1):41-51.  
PMID: 2410823 [PubMed - indexed for MEDLINE]


 **19:** [Arai H, Moroji T, Kosaka K.](#)


[Related Articles, Links](#)

-  Somatostatin and vasoactive intestinal polypeptide in postmortem brains from patients with Alzheimer-type dementia.  
Neurosci Lett. 1984 Nov 23;52(1-2):73-8.  
PMID: 6152043 [PubMed - indexed for MEDLINE]


 **20:** [Ferrier IN, Cross AJ, Johnson JA, Roberts GW, Crow TJ, Corsellis JA, Lee YC, O'Shaughnessy D, Adrian TE, McGregor GP, et al.](#)


[Related Articles, Links](#)

-  Neuropeptides in Alzheimer type dementia.  
J Neurol Sci. 1983 Dec;62(1-3):159-70.  
PMID: 6199464 [PubMed - indexed for MEDLINE]


 **21:** [Pinessi L, Portaleone P, Gentile S, Rainero I, Angelini G, Bergamasco B.](#)


[Related Articles, Links](#)

-  [Neuropeptides and dementias. Recent findings]  
Minerva Psichiatr. 1983 Oct-Dec;24(4):139-44. Review. Italian. No abstract available.  
PMID: 6145082 [PubMed - indexed for MEDLINE]


 **22:** [Perry RH, Dockray GJ, Dimaline R, Perry EK, Blessed G, Tomlinson BE.](#)


[Related Articles, Links](#)

-  Neuropeptides in Alzheimer's disease, depression and schizophrenia. A post mortem analysis of vasoactive intestinal peptide and cholecystokinin in cerebral cortex.  
J Neurol Sci. 1981 Sep;51(3):465-72.  
PMID: 6268760 [PubMed - indexed for MEDLINE]


 **23:** [Perry EK, Blessed G, Tomlinson BE, Perry RH, Crow TJ, Cross AJ, Dockray GJ, Dimaline R, Arregui A.](#)

[Related Articles, Links](#)

-  Neurochemical activities in human temporal lobe related to aging and Alzheimer-type changes.  
Neurobiol Aging. 1981 Winter;2(4):251-6.  
PMID: 6174877 [PubMed - indexed for MEDLINE]

 **24:** [Rossor M, Fahrenkrug J, Emson P, Mountjoy C, Iversen L, Roth M.](#)

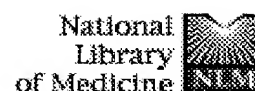
[Related Articles, Links](#)

-  Reduced cortical choline acetyltransferase activity in senile dementia of Alzheimer type is not accompanied by changes in vasoactive intestinal polypeptide.  
Brain Res. 1980 Nov 10;201(1):249-53.  
PMID: 7417838 [PubMed - indexed for MEDLINE]

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☐ **1:** [Farr SA, Banks WA, Uezu K, Freed EO, Kumar VB, Morley JE.](#) Related Articles, Links

**Mechanisms of HIV type 1-induced cognitive impairment: evidence for hippocampal cholinergic involvement with overstimulation of the VIPergic system by the viral coat protein core.**  
AIDS Res Hum Retroviruses. 2002 Nov 1;18(16):1189-95.  
PMID: 12487825 [PubMed - indexed for MEDLINE]

☐ **2:** [Brenneman DE, Hauser JM, Spong C, Phillips TM.](#) Related Articles, Links

**Chemokine release is associated with the protective action of PACAP-38 against HIV envelope protein neurotoxicity.**  
Neuropeptides. 2002 Aug;36(4):271-80.  
PMID: 12372701 [PubMed - indexed for MEDLINE]

☐ **3:** [Branch DR, Valenta LJ, Yousefi S, Sakac D, Singla R, Bali M, Sahai BM, Ma XZ.](#) Related Articles, Links

**VPAC1 is a cellular neuroendocrine receptor expressed on T cells that actively facilitates productive HIV-1 infection.**  
AIDS. 2002 Feb 15;16(3):309-19.  
PMID: 11834941 [PubMed - indexed for MEDLINE]

☐ **4:** [Brenneman DE, Hauser J, Spong CY, Phillips TM.](#) Related Articles, Links

**Chemokines released from astroglia by vasoactive intestinal peptide. Mechanism of neuroprotection from HIV envelope protein toxicity.**  
Ann N Y Acad Sci. 2000;921:109-14.  
PMID: 11193813 [PubMed - indexed for MEDLINE]

☐ **5:** [Peruzzi M, Azzari C, Rossi ME, De Martino M, Vierucci A.](#) Related Articles, Links

**Inhibition of natural killer cell cytotoxicity and interferon gamma production by the envelope protein of HIV and prevention by vasoactive intestinal peptide.**  
AIDS Res Hum Retroviruses. 2000 Jul 20;16(11):1067-73.  
PMID: 10933622 [PubMed - indexed for MEDLINE]


















☐ **6:** [Brenneman DE, Hauser J, Spong CY, Phillips TM, Pert CB, Ruff M.](#) Related Articles, Links

















**VIP and D-ala-peptide T-amide release chemokines which prevent HIV-1 GP120-induced neuronal death.**  
Brain Res. 1999 Aug 14;838(1-2):27-36.  
PMID: 10446313 [PubMed - indexed for MEDLINE]

☐ **7:** [Brenneman DE, Glazner G, Hill JM, Hauser J, Davidson A, Gozes I.](#) Related Articles, Links

**VIP neurotrophism in the central nervous system: multiple effectors and identification of a femtomolar-acting neuroprotective peptide.**  
Ann N Y Acad Sci. 1998 Dec 11;865:207-12. Review.  
PMID: 9928014 [PubMed - indexed for MEDLINE]

☐ **8:** [Kim J, Ruff M, Karwatowska-Prokopczuk E, Hunt L, Ji H, Pert CB, Zukowska-Grojec Z.](#) Related Articles, Links

-  HIV envelope protein gp120 induces neuropeptide Y receptor-mediated proliferation of vascular smooth muscle cells: relevance to AIDS cardiovascular pathogenesis.  
Regul Pept. 1998 Sep 25;75-76:201-5.  
PMID: 9802410 [PubMed - indexed for MEDLINE]
-  **9:** [Andrianov AM.](#) Related Articles, Links
-  Spatial structure model of the CD4 receptor-binding site of the HIV envelope protein gp120.  
J Biomol Struct Dyn. 1998 Jun;15(6):1101-13.  
PMID: 9669555 [PubMed - indexed for MEDLINE]
-  **10:** [Dibbern DA Jr, Glazner GW, Gozes I, Brenneman DE, Hill JM.](#) Related Articles, Links
-  Inhibition of murine embryonic growth by human immunodeficiency virus envelope protein and its prevention by vasoactive intestinal peptide and activity-dependent neurotrophic factor.  
J Clin Invest. 1997 Jun 15;99(12):2837-41.  
PMID: 9185505 [PubMed - indexed for MEDLINE]
-  **11:** [Brenneman DE, McCune SK, Mervis RF, Hill JM.](#) Related Articles, Links
-  gp120 as an etiologic agent for NeuroAIDS: neurotoxicity and model systems.  
Adv Neuroimmunol. 1994;4(3):157-65. Review.  
PMID: 7874383 [PubMed - indexed for MEDLINE]
-  **12:** [Velikovic V, Metlas R, Danilo V, Cavor L, Pejinovic N, Dujac A, Zakhariev S, Guarnaccia C, Pongor S.](#) Related Articles, Links
-  Natural autoantibodies cross-react with a peptide derived from the second conserved region of HIV-1 envelope glycoprotein gp120.  
Biochem Biophys Res Commun. 1993 Nov 15;196(3):1019-24.  
PMID: 8250861 [PubMed - indexed for MEDLINE]
-  **13:** [Lafont V, Nicolas M, Dornand J, Liautard JP, Favero J.](#) Related Articles, Links
-  Perturbation of in vitro HIV pathogenic effects by peptides showing sequence similarities with the C2 conserved domain of gp120.  
Immunol Lett. 1993 Aug;37(2-3):249-50. No abstract available.  
PMID: 8258463 [PubMed - indexed for MEDLINE]
-  **14:** [Hill JM, Mervis RF, Avidor R, Moody TW, Brenneman DE.](#) Related Articles, Links
-  HIV envelope protein-induced neuronal damage and retardation of behavioral development in rat neonates.  
Brain Res. 1993 Feb 19;603(2):222-33.  
PMID: 8461978 [PubMed - indexed for MEDLINE]
-  **15:** [Veljkovic V, Metlas R, Raspopovic J, Pongor S.](#) Related Articles, Links
-  Spectral and sequence similarity between vasoactive intestinal peptide and the second conserved region of human immunodeficiency virus type 1 envelope glycoprotein (gp120): possible consequences on prevention and therapy of AIDS.  
Biochem Biophys Res Commun. 1992 Dec 15;189(2):705-10.  
PMID: 1472041 [PubMed - indexed for MEDLINE]
-  **16:** [Glowa JR, Panlilio LV, Brenneman DE, Gozes I, Fridkin M, Hill JM.](#) Related Articles, Links
-  Learning impairment following intracerebral administration of the HIV envelope protein gp120 or a VIP antagonist.  
Brain Res. 1992 Jan 20;570(1-2):49-53.  
PMID: 1617429 [PubMed - indexed for MEDLINE]

-  **17:** [Kharchenko EP, Klimenko AP.](#) [Related Articles, Links](#)  
 [Mimicry of gastrointestinal regulator peptides in human immunodeficiency virus gp120 and gp41 [correction of gp40] proteins as a possible factor of its tissue polytropism]  
 Dokl Akad Nauk. 1992;322(4):769-72. Russian. No abstract available.  
 PMID: 1638947 [PubMed - indexed for MEDLINE]
-  **18:** [Brenneman DE, McCune SK, Gozes I.](#) [Related Articles, Links](#)  
 Acquired immune deficiency syndrome and the developing nervous system.  
 Int Rev Neurobiol. 1990;32:305-53. Review. No abstract available.  
 PMID: 1981886 [PubMed - indexed for MEDLINE]
-  **19:** [Robberecht P, De Neef P, Gourellet P, Cauvin A, Coy DH, Christophe J.](#) [Related Articles, Links](#)  
 Pharmacological characterization of the novel helodermin/VIP receptor present in human SUP-T1 lymphoma cell membranes.  
 Regul Pept. 1989 Sep-Oct;26(2):117-26.  
 PMID: 2552509 [PubMed - indexed for MEDLINE]
-  **20:** [Raymon LP, Kimes AS, Tabakoff B, London ED.](#) [Related Articles, Links](#)  
 [AIDS and sleep disorders: effect of gp120 on cerebral glucose metabolism]  
 C R Seances Soc Biol Fil. 1989;183(5):407-18. French.  
 PMID: 2561668 [PubMed - indexed for MEDLINE]
-  **21:** [Brenneman DE, Westbrook GL, Fitzgerald SP, Ennist DL, Elkins KL, Ruff MR, Pert CB.](#) [Related Articles, Links](#)  
 Neuronal cell killing by the envelope protein of HIV and its prevention by vasoactive intestinal peptide.  
 Nature. 1988 Oct 13;335(6191):639-42.  
 PMID: 2845276 [PubMed - indexed for MEDLINE]
-  **22:** [Sacerdote P, Ruff MR, Pert CB.](#) [Related Articles, Links](#)  
 VIP1-12 is a ligand for the CD4/human immunodeficiency virus receptor.  
 Ann N Y Acad Sci. 1988;527:574-8. No abstract available.  
 PMID: 2839089 [PubMed - indexed for MEDLINE]
-  **23:** [Pert CB, Smith CC, Ruff MR, Hill JM.](#) [Related Articles, Links](#)  
 AIDS and its dementia as a neuropeptide disorder: role of VIP receptor blockade by human immunodeficiency virus envelope.  
 Ann Neurol. 1988;23 Suppl:S71-3.  
 PMID: 2831805 [PubMed - indexed for MEDLINE]
-  **24:** [Sacerdote P, Ruff MR, Pert CB.](#) [Related Articles, Links](#)  
 Vasoactive intestinal peptide 1-12: a ligand for the CD4 (T4)/human immunodeficiency virus receptor.  
 J Neurosci Res. 1987;18(1):102-7.  
 PMID: 3682024 [PubMed - indexed for MEDLINE]

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